



IN THE
UNITED STATES
PATENT AND TRADEMARK
OFFICE

Application Number	09/807,943
Filing Date	April 20, 2001
First Named Inventor	Yan HONG
Group Art Unit	1631
Examiner Name	Channing Mahatan
Attorney Docket Number	2577-123

Title of the Invention: DNA MARKER PROFILE DATA ANALYSIS

H7/A
Phunkets
5/1/03

AMENDMENT

RECEIVED

Assistant Commissioner for Patents
Washington, D.C. 20231

DEC 12 2002

TECH CENTER 1600/2900

Dear Sir:

In response to the first Office action mailed September 10, 2002, please amend the subject patent application as follows.

In the Claims:

--1. (Amended) A method for obtaining DNA fingerprint profile data, comprising the steps of:

A1 measuring peak intensity and size of each DNA fragment in a sample of genomic DNA;

classifying the peak intensities of said fragments according to a predetermined discrete intensity level scale;

aligning the sizes of said fragments into corresponding ones of discrete size bins;

determining a sequence of fragments according to values of said bins;

entering the classified peak intensities of said fragments into a data record in said sequence; and

storing the record.-;

--12. (Amended) A computer program product, comprising:

A2 a computer-readable medium having computer-executable code recorded thereon for obtaining DNA fingerprint profile data, said computer-executable code comprising: